

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

July 3, 2001

(Use several sheets if necessary)

APPLICANT  
Gregory J. LaRosaFILING DATE  
July 3, 2001

GROUP

1c973 U.S. PTO  
09/898513  
07/03/01

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
As	AA	6,084,075	Jul. 4, 2000	Lind, et al.	530	388.22	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

Ans

DATE CONSIDERED

10/18/02

PTO-1449 REPRODUCED

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION IN AN APPLICATION

September 9, 2002

(use several sheets if necessary)

ATTORNEY DOCKET NO.  
1855.1052-020

APPLICATION NO.  
09/898,513

APPLICANT  
Gregory J. LaRosa, et al.

RECEIVED

FILING DATE  
July 3, 2001

GROUP  
1648

SEP 23 2002

TECH CENTER 1600/2900

## U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AV7	Johnston, B., et al., "Chronic inflammation upregulates chemokine receptors and induces neutrophil migration to monocyte chemoattractant protein-1," <i>Journal of Clinical Investigation</i> , 103(9): 1269-1276 (1999)

EXAMINER

DATE CONSIDERED

10/18/02

FEB 20 2002

RECEIVED

SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION  
IN AN APPLICATION

January 7, 2002

(Use several sheets if necessary)

APPLICANT,  
Gregory J. LaRosaFILING DATE  
July 3, 2001GROUP  
1648

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
AD	AB	5,543,503	08/06/96	Chuntharapai, et al.	530	388.22	
	AC	5,440,021	08/08/95	Chuntharapai, et al.	530	388.22	
	AD	5,859,205	01/12/99	Adair, et al.	530	387.3	
	AE	5,693,762	12/2/97	Queen, et al.	530	387.3	
	AF	5,693,761	12/2/97	Queen, et al.	536	23.53	
	AG	5,585,089	12/17/96	Queen, et al.	424	133.1	
	AH	5,225,539	7/6/93	Winter, et al.	530	387.3	
	AI	4,816,397	3/28/89	Boss, et al.	435	68	
	AJ	4,816,567	3/28/89	Cabilly, et al.	530	387	
	AK	5,707,815	1/13/98	Charo, et al.	435	7.2	
	AA2	5,571,713	11/05/96	Lyle, et al.	435	240.2	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
AL		WO 95/08576	30 Mar 95	PCT			X
AM		WO 99/15666	01 Apr 99	PCT			
AN		WO 97/31949	04 Sep 97	PCT			
AO		WO 95/19436	20 Jul 95	PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Förster, R., et al., "A general method for screening mAbs specific for G-protein coupled receptors as exemplified by using epitope tagged BLR1-transfected 293 cells and solid-phase cell ELISA", <i>Biochemical and Biophysical Research Communications</i> , 196(3):1496-1503 (1993).
AS	Boring, L., et al., "Decreased lesion formation in CCR2 <sup>-/-</sup> mice reveals a role for chemokines in the initiation of atherosclerosis," <i>Nature</i> , 394(27):894-897 (1998).

EXAMINER

A. S.

DATE CONSIDERED

10/18/02

SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION  
IN AN APPLICATION

January 7, 2002

(attach several sheets if necessary)

APPLICANT  
Gregory J. LaRosaFILING DATE  
July 3, 2001GROUP  
1648

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AP	WO 98/44953	15 Oct 98	PCT			
AQ	WO 94/09128	28 Apr 94	PCT			
AL2	WO 91/09967	11 Jul 91	PCT			
AM2	WO 00/05265	03 Feb 00	PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AT	Ylä-Herttuala, S., et al., "Expression of monocyte chemoattractant protein 1 in macrophage-rich areas of human and rabbit atherosclerotic lesions," <i>Proc. Natl. Acad. Sci., USA</i> , 88:5252-5256 (1991).
AU	Taubman, M.B., et al., "JE mRNA Accumulates Rapidly in Aortic Injury and in Platelet-Derived Growth Factor-Stimulated Vascular Smooth Muscle Cells," <i>Circulation Research</i> 70(2):314-325 (1992).
AV	Feng, A., et al., "Red Wine Inhibits Monocyte Chemotactic Protein-1 Expression and Modestly Reduces Neointimal Hyperplasia After Balloon Injury in Cholesterol-Fed Rabbits," <i>Circulation</i> 100:2254-2259 (1999).
AW	Lukacs, N.W., et al., "Production of Monocyte Chemoattractant Protein-1 and Macrophage Inflammatory Protein-1 $\alpha$ by Inflammatory Granuloma Fibroblasts," <i>American Journal of Pathology</i> , 144(4):711-718 (1994).
AX	Koch, A.E., et al., "Enhanced Production of Monocyte Chemoattractant Protein-1 in Rheumatoid Arthritis," <i>The Jour. of Clin. Invest.</i> , 90:772-779 (1992).
AY	Harigai, M., et al., "Monocyte Chemoattractant Protein-1 (MCP-1) in Inflammatory Joint Diseases and Its Involvement in the Cytokine Network of Rheumatoid Synovium," <i>Clin. Immun. and Immunopathology</i> , 69(1):83-91 (1993).
AZ	Villiger, P.M., et al., "Production of Monocyte Chemoattractant Protein-1 by Inflamed Synovial Tissue and Cultured Synoviocytes," <i>J. Immunol.</i> 149(2):722-727 (1992).
AR2	Reinecker, H.C., et al., "Monocyte-Chemoattractant Protein 1 Gene Expression in Intestinal Epithelial Cells and Inflammatory Bowel Disease Mucosa," <i>Gastroenterology</i> , 108(1):40-50 (1995).

EXAMINER

DATE CONSIDERED

10/18/02

FEB 20 2002

RECEIVED

ECHO CENTER 1600/2900

COPIES  
FEB 14 2002  
TRADEMARK OFFICE

SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION

IN AN APPLICATION

APPLICANT

Gregory J. LaRosa

FILING DATE

July 3, 2001

GROUP

1648

January 7, 2002

(Use several sheets if necessary)

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AS2	Nelken, N.A., et al., "Monocyte Chemoattractant Protein-1 in Human Atheromatous Plaques," <i>J. Clin. Invest.</i> , 88:1121-1127 (1991).
AT2	Grewal, I.S., et al., "Transgenic Monocyte Chemoattractant Protein-1 (MCP-1) in Pancreatic Islets Produces Monocyte-Rich Insulitis Without Diabetes," <i>J. Immunol.</i> , 159:401-408 (1997).
AU2	Yu, X., et al., "Elevated expression of monocyte chemoattractant protein 1 by vascular smooth muscle cells in hypercholesterolemic primates," <i>Proc. Natl. Acad. Sci., USA</i> , 89:6953-6957 (1992).
AV2	Berman, J.W., et al., "Localization of Monocyte Chemoattractant Peptide-1 Expression in the Central Nervous System in Experimental Autoimmune Encephalomyelitis and Trauma in the Rat," <i>J. Immunol.</i> , 156:3017-3023 (1996).
AW2	Lukacs, N.W., et al., "The Production of Chemotactic Cytokines an Allogeneic Response," <i>Amer. Jour. of Pathology</i> , 143(4):1179-1188 (1993).
AX2	Christensen, P.J., et al., "Characterization of the Production of Monocyte Chemoattractant Protein-1 and IL-8 in an Allogeneic Immune Response," <i>The Journal of Immunology</i> , 151(3):1205-1213 (1993).
AY2	Rand, M.L., et al., "Inhibition of T Cell Recruitment and Cutaneous Delayed-Type Hypersensitivity-Induced Inflammation with Antibodies to Monocyte Chemoattractant Protein-1," <i>Amer. Jour. of Pathology</i> , 148(3):855-864 (1996).
AZ2	Jones, M.L., and Warren, J.S., "Monocyte Chemoattractant Protein 1 in a Rat Model of Pulmonary Granulomatosis," <i>Laboratory Investigation</i> , 66(4):498-503 (1992).
AR3	Lloyd, C.M., et al., "Role of MCP-1 and RANTES in inflammation and progression to fibrosis during murine crescentic nephritis," <i>Journal of Leukocyte Biology</i> , 62:676-680 (1997).
AS3	Flory, C.M., et al., "Pulmonary Granuloma Formation in the Rat is Partially Dependent on Monocyte Chemoattractant Protein 1," <i>Laboratory Invest.</i> , 69(4):396-404 (1993).
AT3	Jones, M.L., et al., "Potential Role of Monocyte Chemoattractant Protein 1/JE In Monocyte/Macrophage-Dependent IgA Immune Complex Alveolitis in the Rat," <i>J. Immunol.</i> , 149(6):2147-2154 (1992).
AU3	Gu, L., et al., "Absence of Monocyte Chemoattractant Protein-1 Reduces Atherosclerosis in Low-Density Lipoprotein-Receptor-Deficient Mice," <i>Molecular Cell</i> , 2(2):275-281 (1998).
AV3	Tesch, G.H., et al., "Monocyte chemoattractant protein-1 promotes macrophage-mediated tubular injury, but not glomerular injury, in nephrotoxic serum nephritis," <i>J. Clin. Invest.</i> , 103(1):73-80 (1999).

EXAMINER

AN S

DATE CONSIDERED

10/18/02

SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION  
IN AN APPLICATIONAPPLICANT  
Gregory J. LaRosa

January 7, 2002

FILING DATE  
July 3, 2001GROUP  
1648

(Use several sheets if necessary)

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AW3	Lu, B., et al., "Abnormalities in Monocyte Recruitment and Cytokine Expression in Monocyte Chemoattractant Protein 1-deficient Mice," <i>J. Exp. Med.</i> , 187(4):601-608 (1998).
AX3	Rutledge, B.J., et al., "High Level Monocyte Chemoattractant Protein-1 Expression in Transgenic Mice Increases Their Susceptibility to Intracellular Pathogens," <i>J. Immunol.</i> , 155:4838-4843 (1995).
AY3	Gunn, M.D., et al., "Monocyte Chemoattractant Protein-1 Is Sufficient for the Chemotaxis of Monocytes and Lymphocytes in Transgenic Mice but Requires an Additional Stimulus for Inflammatory Activation," <i>J. Immunol.</i> , 158:376-383 (1997).
AZ3	Chensue, S.W., et al., "Role of Monocyte Chemoattractant Protein-1 (MCP-1) in Th1 (Mycobacterial) and Th2 (Schistosomal) Antigen-Induced Granuloma Formation," <i>J. Immunol.</i> , 157:4602-4608 (1996).
AR4	Lukacs, N.W., et al., "Differential Recruitment of Leukocyte Populations and Alteration of Airway Hyperreactivity by C-C Family Chemokines in Allergic Airway Inflammation," <i>J. Immunol.</i> , 158:4398-4404 (1997).
AS4	Tang, W.W., et al., "Chemokine Expression in Experimental Tubulointerstitial Nephritis," <i>J. Immunol.</i> , 159:870-876 (1997).
AT4	Fujinaka, H., et al., "Suppression of Anti-Glomerular Basement Membrane Nephritis by Administration of Anti-Monocyte Chemoattractant Protein-1 Antibody in WKY Rats," <i>Jour. of the Amer. Soc. of Nephrology</i> , 8:1174-1178 (1997).
AU4	Lloyd, C.M., et al., "RANTES and Monocyte Chemoattractant Protein-1 (MCP-1) Play an Important Role in the Inflammatory Phase of Crescentic Nephritis, but Only MCP-1 Is Involved in Crescent Formation and Interstitial Fibrosis," <i>J. of Exp. Med.</i> , 185(7):1371-1380 (1997).
AV4	Furukawa, Y., et al., "Anti-Monocyte Chemoattractant Protein-1/Monocyte Chemotactic and Activating Factor Antibody Inhibits Neointimal Hyperplasia in Injured Rat Carotid Arteries," <i>Circulation Research</i> , 84:306-314 (1999).
AW4	Zisman, D.A., et al., "MCP-1 Protects Mice in Lethal Endotoxemia," <i>J. Clin. Invest.</i> , 99(12):2832-2836 (1997).
AX4	Schimmer, R.C., et al., "Streptococcal Cell Wall-Induced Arthritis: Requirements for IL-4, IL-10, IFN- $\gamma$ , and Monocyte Chemoattractant Protein-1," <i>J. Immunol.</i> , 160:1466-1471 (1998).
AY4	Ogata, H., et al., "The Role of Monocyte Chemoattractant Protein-1 (MCP-1) in the Pathogenesis of Collagen-Induced Arthritis in Rats," <i>J. Pathol.</i> , 182:106-114 (1997).

EXAMINER

DATE CONSIDERED

10/18/02

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
1855.1052-020APPLICATION NO.  
09/898,513SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION  
IN AN APPLICATION

January 7, 2002

(Use several sheets if necessary)

APPLICANT  
Gregory J. LaRosaFILING DATE  
July 3, 2001GROUP  
1648

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- AZ4 Huffnagle, G.B., et al., "The Role of Monocyte Chemotactic Protein-1 (MCP-1) in the Recruitment of Monocytes and CD4<sup>+</sup> T Cells During a Pulmonary *Cryptococcus Neoformans* Infection," *J. Immunol.*, 155:4790-4797 (1995).
- AR5 Gong, J., et al., "An Antagonist of Monocyte Chemoattractant Protein 1 (MCP-1) Inhibits Arthritis in the MRL-*lpr* Mouse Model," *J. Exp. Med.*, 186(1):131-137 (1997).
- AS5 Boring, L., et al., "Impaired Monocyte Migration and Reduced Type 1 (Th1) Cytokine Responses in C-C Chemokine Receptor 2 Knockout Mice," *J. Clin. Invest.*, 100(10):2552-2561 (1997).
- AT5 Kuziel, W.A., et al., "Severe reduction in leukocyte adhesion and monocyte extravasation in mice deficient in CC chemokine receptor 2," *Proc. Natl. Acad. of Sci., USA* 94(22):12053-12058 (1997).
- AU5 Kurihara, T., et al., "Defects in Macrophage Recruitment and Host Defense in Mice Lacking the CCR2 Chemokine Receptor," *J. Exp. Med.*, 186(10):1757-1762 (1997).
- AV5 Jiang, Y., et al., "Chemokine receptor expression in cultured glia and rat experimental allergic encephalomyelitis," *J. Neuroimmunology*, 86:1-12(1998).
- AW5 Chuntharapai, et al., "Generation of Monoclonal Antibodies to Chemokine Receptors", *Methods in Enzymology* 288: 15-27 (1997).
- AX5 Montecclaro, F.S. and Charo, I.F., "The Amino-terminal Domain of CCR2 Is Both Necessary and Sufficient for High Affinity Binding of Monocyte Chemoattractant Protein 1", *The Journal of Biological Chemistry*, 272(37):23186-23190 (1997).
- AY5 Qin, Shixin, et al., "Expression of monocyte chemoattractant protein-1 and interleukin-8 receptors on subsets of T cells: correlation with transendothelial chemotactic potential," *Eur. J. Immunol.*, 26:640-647 (1996).
- AZ5 Yamagami, Shinsuke, et al., "cDNA Cloning and Functional Expression of a Human Monocyte Chemoattractant Protein 1 Receptor," *Biochemical and Biophysical Research Communications*, 202(2):1156-1162 (1994).
- AR6 Charo, Israel, F., et al., "Molecular cloning and functional expression of two monocyte chemoattractant protein 1 receptors reveals alternative splicing of the carboxyl-terminal tails," *Proc. Natl. Acad. Sci., USA.*, 91:2752-2756 (1994).
- AS6 Aragay, A.M., et al., "Monocyte chemoattractant protein-1-induced CCR2B receptor desensitization mediated by the G protein-coupled receptor kinase 2," *Proc. Natl. Acad. Sci., USA*, 95:2985-2990 (1998).

EXAMINER

DATE CONSIDERED

10/18/02

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
1855.1052-020APPLICATION NO.  
09/898,513SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION  
IN AN APPLICATION

January 7, 2002

(Several sheets if necessary)

APPLICANT  
Gregory J. LaRosaFILING DATE  
July 3, 2001GROUP  
1648

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AT6	Frade, Jose M.R., et al., "Characterization of the CCR2 Chemokine Receptor: Functional CCR2 Receptor Expression in B Cells," <i>J. Immunol.</i> , 159(11):5576-5584 (1997).
AU6	Frade, Jose M.R., et al., "The Amino-Terminal Domain of the CCR2 Chemokine Receptor Acts as Coreceptor for HIV-1 Infection," <i>J. Clin. Invest.</i> , 100(3):497-502 (1997).
AV6	Wong, Lu-Min, et al., "Organization and Differential Expression of the Human Monocyte Chemoattractant Protein 1 Receptor Gene," <i>The Journal of Biological Chemistry</i> , 272(2):1038-1045 (1997).
AW6	Kurihara, Takao and Bravo, Rodrigo, "Cloning and Functional Expression of mCCR2, a Murine Receptor for the C-C Chemokines JE and FIC," <i>The Journal of Biological Chemistry</i> , 271(20):11603-11606 (1996).
AX6	Grimm, M.C., et al., "Enhanced expression and production of monocyte chemoattractant protein-1 in inflammatory bowel disease mucosa," <i>Journal of Leukocyte Biology</i> 59:804-812 (1996).
AY6	Izikson, L., et al., "Resistance to Experimental Autoimmune Encephalomyelitis in Mice Lacking the CC Chemokine Receptor (CCR)2," <i>J. Exp. Med.</i> , 192(7):1075-1080 (2000).
AZ6	Fife, B.T., et al., "CC Chemokine Receptor 2 Is Critical for Induction of Experimental Autoimmune Encephalomyelitis," <i>J. Exp. Med.</i> , 192(6):899-905 (2000).
AR7	Sanz, I., et al., "Evidence That Autoantibodies Can Be Unmutated Copies of Germline Genes," <i>The Journal of Immunology</i> 142(3):883-887 (1989).
AS7	Chastagner, P., et al., "Cloning of a gene encoding a lupus-associated human autoantibody V <sub>k</sub> region using the polymerase chain reaction and degenerate primers," <i>Gene</i> 101:305-306 (1991).
AT7	Chothia, C., et al., "Conformations of immunoglobulin hypervariable regions," <i>Nature</i> 342:877-883 (1989).
AU7	Welt, et al., "Targeting CCR-2 or CD18 Inhibits Experimental In-Stent Restenosis in Primates. Inhibitory Potential Depends on Type of Injury and Leukocytes Targeted," <i>Circulation-Journal of the American Heart Association (Abstracts from Scientific Sessions 2000)</i> , 102(18): II-247, Abstract 1206 (2000).

EXAMINER

DATE CONSIDERED

10/11/8/02



PTQ-1449 REPRODUCED

SECOND SUPPLEMENTAL INFORMATION  
DISCLOSURE CITATION  
IN AN APPLICATION

April 24, 2002

(Use several sheets if necessary)

ATTORNEY DOCKET NO.  
1855.1052-020

APPLICATION NO.  
09/898,513

APPLICANT  
Gregory J. LaRosa and Walter Newman

FILING DATE  
July 3, 2001

GROUP  
1648

RECEIVED

MAY 08 2002  
TECH CENTER 1600

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AN2	WO 97/47319	18 Dec 97	PCT			
	AO2						
	AP2						
	AQ2						
	AL3						
	AM3						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

*Ans*

DATE CONSIDERED

10/18/02